

From owner-qrp-1@netcom.com Mon Sep 26 12:20:03 1994  
From: rdkeys@csemail (R. D. Keys)  
Message-Id: <9409261416.AA106514@csemail.cropsci.ncsu.edu>  
Subject: Re: 160 m tonight?  
Date: Mon, 26 Sep 94 10:16:30 EDT

>  
> Will there be a 160 M roundup tonight? Time? Freq?

YEP..... QRG 1812khz at about 10pm est.

I am rockbound about a khz lower than that, but no sweat.

>  
> Saturday, I made up a 160 loading coil for my mobile...consisting  
> of 90+ feet of #14 tinned-stranded, insulated wire wound close-  
> spaced in a single layer on a 9.5" average diameter high-density  
> polyethylene bucket (that's about 34 turns). The mobile mast is  
> 12 feet below the "bucket" and 4+ feet above it. As luck would have it,  
> radiation resistance + losses seems to cause the resonance point to  
> be 1:1 SWR on my MFJ analyser (i.e. the same as my 50 ohm plug)...  
> no tuner used once antenna is adjusted to frequency.  
>  
> My first QSO (ssb qro) ever on 160 was with a Maine state on 1842 KHz.  
>  
> I'm ready to plug the key in and turn the drive back for 5 watts.  
>  
> 73/Steve/AB4EL Raleigh, NC ab4el@Cybernetics.NET  
>

See you there....  
73 de NA4G  
Bob

p.s. I can attest to this fella's mobile installation. It is sumthin'  
else, for sure, and works like gangbusters!

```
*****
* 73 TU SU SK DE NA4G          ``Boat Anchor Bob'', an ol' CW fart. *
*****
* Morse has been in the family for over 100 years. *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914. *
*****
* May you have fair winds and following seas on your watch at the key. *
*****
```

From owner-qrp-1@netcom.com Mon Sep 26 11:18:53 1994

From: bob.berlyn@chowda.com (Bob Berlyn)  
Subject: RE: 50 MHZ FREQ COUNTER  
Date: Mon, 26 Sep 1994 03:59:00 GMT  
Message-Id: <9409260900084255@chowda.com>

On 09-25-94 bgobrick@random.ucs.mun.ca wrote to BOB BERLYN...

Q > Bob - what's the Weeder Tech freq counter - is that the Popular  
Q > Electronics one. I'd be interested in your comments (maybe QRP-L  
Q > also).  
Q > Also let me know how your 40-40 goes. I just built up a 40-40 and  
Q > 30-40  
Q > but so far only 30-40 is in a box and it doesn't work yet - need to do  
Q > some trouble shooting. So would be interested if you have any 40-40  
Q > hints and kinks.  
Q >  
Q > 72 Bob VO1DRB/WA6ERB  
Q > >  
Q >

OH Sorry Bob,,, Yes the Weeder Tech is the Popular Electronics one. I have the board wired. Went together in about an hour. I am on my way today to get a couple of things for it and hope to have it up and running soon.

My 40/40 board is all wired. The enclosure is half done. I hope to smoke test it today or tomorrow.

Stay tuned

---

\* OFFLINE 1.54 \* Bob Berlyn N1PWU

Bob.Berlyn@Chowda.com

From owner-qrp-l@netcom.com Mon Sep 26 13:27:33 1994  
From: "RICHARD HIEBER" <SZ0026@daphne.rrze.uni-erlangen.de>  
Date: Mon, 26 Sep 1994 14:06:07 MET  
Subject: A confession (and then some ...)  
Message-Id: <AE332C7D31@daphne.rrze.uni-erlangen.de>

Hi gang,

I am in a curious mood, have to make a little confession: I was exploiting the archives ... I discovered this mailing list only a few month ago, found it VY VY interesting and was looking into the archives to see all the interesting discussions that I had missed.

Well, I read it all! That's quite hard work when you are talking about several Megabytes. Even worse, I found it to be too good to be lost forever in the dark corners of a hard disk. So I edited some of the more interesting stuff together and presented it to the Packet Radio

Net in Europe (QRP @ EU). Mind you, I kept the attribution to the original author(s) intact and tried to arrange contributions in the original order. I am taking absolutely no credit for it other than some editing (mainly for readability and to remove superfluous citing) and the task of sending the messages out. But I am constantly receiving all the favourable reactions of fellow hams all over Europe without the privilege of access to the Internet. Quite often there is a mail in my BBS telling me that somebody out there enjoys my (semi-)regular postings and that I should keep it up. I suspect that I even instigated \*new\* QRP interest at some places. Packet Radio is a mode popular with young hams, so this is a way to reach them (heck, I'm only 26 myself!).

Now that I made this confession, I feel a bit unsecure. 'Cause I remember a thread in that enormous bulk of text where there was a discussion about taking material contributed to this list and spreading it somewhere else without explicit permission. It occurred a little bit too late to me that this is exactly what I am doing. Asking every one personally about every line of text ever sent to the group is out of the question, but I should have asked the general question on the list. I regret that I didn't do it. I hope you can forgive me in the context given above.

Now there is a mail that I want you, especially K5F0, to see. It is a response to one of the messages that I sent to QRP @ EU.

Best wishes to you all out there in net-land ...

```

                                     \\|//
                                     (^ ^)
+-----o00--(_)--00o-----+
| Vy 72 de Richard (DL8MFQ @ DB0SIF.DEU.EU) in Erlangen |
+-----+
alias AA8CP          G-QRP #7417          AGCW-DL #2168
```

```
-----
LA6GHA > MORSE      17.09.94 03:18 57 Lines 2414 Bytes #30 @WW
BID : 5202_LA6GHA
Subj: Re: Sending and writing
Path: !DB0SIF!DB0EAM!DB0HBS!DB0DJ!DB0HRO!DB0OQ!DB0HES!OZ6BOX!OZ7BOX!OZ2B0F!
      !OZ6PAC!OZ2PAC!LA9K!LA1G!LA2D!LA40!LA5G!LA8GE!LA4HBA!LA6GHA!
Sent: 940915/0118Z @:LA6GHA.NAM.V.NOR.EU #:5202 [Salsbruket] FBB5.15c $:5202_LA

>From: LA6GHA@LA6GHA.NAM.V.NOR.EU
To : MORSE@WW
```

This is a reply to a bulletin issued by DL8MFQ @ DB0SIF.#HES.DEU.EU to QRP @ EU on August 29th 1994. (BID: 2984DB0SIF4Z)

K5F0> I learned early in life (and I am right handed) to send with the  
> right hand and with the pen in my right hand at the same time.  
> Then the transition from sending to receiving requires no  
> additional work on my part.

Well, that may work ok with the conventional good ol' key, but with a paddle it becomes quite difficult to hold a pencil while operating the bug. That's my experience. But there is no problem to operate the bug with the left hand. I simply rotate the bug 180 degrees. In that way I can send CW with my left hand just as I did with the right hand. I am a happy owner of a Bencher, the one and only!

K5F0> I personally wonder about keyboard operation during a test,  
> where one is using CT or whatever, then sending with a key.

Right! Using a computer (or whatever fancy digital blackboxes) is a shame!

But... (Shame on me)... I happend to monitor the air with my computer. It started as an experiment. I wanted to see how the computer manage to copy the morse code from humans. I was supprised, the computer did a excellent job, consider is was only a computer.

Well, this went on for several weeks, and at a certain point I discovered the benefit by having a computer monitoring the air. There were lot of disturbance in my shack, friends popped by while I was in the middle of a rag chew, the telephone rang, we all know the feeling... Hi. But the computer did'n loose anything despite heavy local QRM. Hi...

So it's really nice to have the computer. Although, in normal circumstances I do NOT even look at the screen. After all, the human brain is way ahead (hi) of any computer when it comes to decoding CW. But just in case... You'll never know what happens. And a spin-off of using the computer was file-capture of the activity (except my own transmissions). When I dumped into "real" computer sending guys (or girls?), the computer copied every single word.

But, just like K5F0, I can't imagine the fun of having a computer to do the entire job... Those should consider packet radio instead. :-)

K5F0> I can outdo any computer that I've ever seen on copying through QRM

I guess we're not talking meteor scatter here... Hi... Just kidding! :-)

See you around, folks!

73 de Bob.

From owner-qrp-l@netcom.com Tue Sep 27 00:44:27 1994  
Date: Mon, 26 Sep 1994 21:38:37 -0500 (CDT)  
From: Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu>  
Message-Id: <940926213837.110cc@charlie.usd.edu>  
Subject: RE: A confession (and then some ...)

Hi Bob:

VERY interesting posting! I admire your dedication.  
I, for one, have no objection to you reposting anything  
I put on the NET. I don't suppose anyone else would, but  
let them speak for themselves. 73, Ade

From owner-qrp-l@netcom.com Tue Sep 27 02:53:59 1994  
From: rdkeys@csemail (R. D. Keys)  
Message-Id: <9409261800.AA107260@csemail.cropsci.ncsu.edu>  
Subject: Re: A confession (and then some ...)  
Date: Mon, 26 Sep 94 14:00:25 EDT

On the subject of handedness and penning amidst the fire of bedlam  
on the qrn/qrn of a band at speed in the heat of a contest or otherwise....

>  
>  
> This is a reply to a bulletin issued by DL8MFQ @ DB0SIF.#HES.DEU.EU  
> to QRP @ EU on August 29th 1994. (BID: 2984DB0SIF4Z)  
>  
>  
> K5F0> I learned early in life (and I am right handed) to send with the  
> > right hand and with the pen in my right hand at the same time.  
> > Then the transition from sending to receiving requires no  
> > additional work on my part.  
>  
> Well, that may work ok with the conventional good ol' key, but with a  
> paddle it becomes quite difficult to hold a pencil while operating the  
> bug. That's my experience. But there is no problem to operate the bug with  
> the left hand. I simply rotate the bug 180 degrees. In that way I can send  
> CW with my left hand just as I did with the right hand. I am a happy owner  
> of a Bencher, the one and only!

I have to side with both parties, in this case. I find it very easy to maintain a pen/pencil in the writing position when batting a key or a bug. I would assume the trick would work as well on a keyer. Most of my keyer locals seem to do it reasonably easily, too.

For those with keyers or those few fortunate folks with left-handed bugs, it is easy to send with one hand and pen with the other. I find it a bit more tricky to go from a bug in one hand to the reverse bug in the other. It takes some concentration, but the mind handles it reasonably well. I have not had to do it in the midst of a run at speed amid the bedlam of qrm/qrn. I find a better solution is to stick with one bug (l or r) and run a mill of some sort for copy. Alas, real radio mills with the full uppercase are getting somewhat hard to find in very usable shape. Most have been pretty well trashed. I guess a quiet well-shielded computer would suffice..... (:+{}.....

>  
> K5F0> I personally wonder about keyboard operation during a test,  
> > where one is using CT or whatever, then sending with a key.  
>  
> Right! Using a computer (or whatever fancy digital blackboxes) is a shame!  
>  
> But... (Shame on me)... I happend to monitor the air with my computer.  
> It started as an experiment. I wanted to see how the computer manage to  
> copy the morse code from humans. I was suprised, the computer did a  
> excellent job, consider is was only a computer.  
>

I have had great success using both a bug and a straight iron in conjunction with a computer in contests (my only contests are Field Day and the 160 CW fracas). There are times when the computer is good for canned replies, etc, but sometimes, a fellow on the other end needs a fill from the bug or a really sloooooooooow return in the heavy qrm/qrn that the computer just takes too long to reset. So, in my opinion, there is always room for the manual sending iron of whatever ilk, even in the contests. To have to rely solely on the computer leaves open too many gotchas. Most of the computer programs that I have seen and used on Field Day and the 160 runs are WAY WAY WAY WAY WAY too pretty and enamored in their showiness for what is really required. I wish the writers of such softwares would keep the computer operator interface stripped to the barest minimum. The less frills and complications, the better for a high speed run on a contest, in my opinion.

I never have decoded via computer, although did have an old hal to monitor the marine notices for a while. I can't imagine that the computer would be sufficiently error free to handle many of the manual/bug freaks that I have run across over the years, especially in qrm/qrn. The dsp folks would tell you otherwise, but I have never seen the dsp folks in

real life on 160 in the middle of the sweepstakes fracas.

I guess there is still some life in the ancient ways.....

some stuff deleted

> See you around, folks!

>

> 73 de Bob.

>

73 TU SU SK DE NA4G

Boatanchor Bob (what's this.... more bobs in the ointment!!!)

'de ol' CW fart.....

From owner-qrp-1@netcom.com Mon Sep 26 13:06:35 1994

Date: Mon, 26 Sep 94 09:04:44 CST

From: Lashley.H.Mann.II@cdc.com

Message-Id: <9408267805.AA780595484@ccmail.cdc.com>

Subject: Re: Adapting handheld for Auto use.

Jerry,

Put seperate antennas on the vehicles. Moving antennas between cars is a pain (or will become one). Gutter mounts are typically not too efficient. I'd recommend quarterwave antennas on both (especially if you or your wife have to go into garages). Mag mounts (I use Larson bases) work well. Mounting SO-239s in the roof also work well but require considerably more work for installation...not to mention drilling a hole in the roof of your vehicles (wives don't generally take to this too well). Another consideration (at least for your Honda and maybe for your other vehicle) might be the on the glass type of antenna. You probably can get a bit of gain with these antennas with just a little more height. Just some thoughts.

Lee

----- Reply Separator -----  
Subject: Adapting handheld for Auto use.  
Author: Jerry A Kreifels <Jerry\_A\_Kreifels@ccm.fm.intel.com> at Internet  
Date: 9/23/94 12:54

>From owner-ham-tech@netcom.com  
X-Envelope-From: owner-ham-tech@netcom.com  
Received: from netcom6.netcom.com by zeus.cdc.com; Fri, 23 Sep 94 22:08:16 -0500  
Received: by netcom6.netcom.com (8.6.9/Netcom)  
id MAA26441; Fri, 23 Sep 1994 12:52:53 -0700  
Received: from ormail.intel.com by netcom6.netcom.com (8.6.9/Netcom)  
id MAA26434; Fri, 23 Sep 1994 12:52:50 -0700  
Received: from relay.jf.intel.com by ormail.intel.com with smtp  
(Smail3.1.28.1 #12) id m0qoGh0-000M04C; Fri, 23 Sep 94 12:54 PDT  
Received: from ccm.hf.intel.com by relay.jf.intel.com  
(Smail3.1.28.1 #2) id m0qoGh0-000twfC; Fri, 23 Sep 94 12:54 PDT  
Received: by ccm.hf.intel.com (ccmgate 3.0) Fri, 23 Sep 94 12:54:01 PST  
Date: Fri, 23 Sep 94 12:54:01 PST  
>From: Jerry A Kreifels <Jerry\_A\_Kreifels@ccm.fm.intel.com>  
Message-ID: <940923125401\_1@ccm.hf.intel.com>  
To: ham-tech@netcom.com  
Subject: Adapting handheld for Auto use.  
Sender: owner-ham-tech@netcom.com  
Precedence: list

Text item: Text\_1

I'm looking to put my Yaesu FT530 handheld in my car for mobile use, but am having trouble sorting out necessary accessories, primariliy the antenna. You can spend \$14.95 for the cheapie from MFJ, or hundreds for an antenna, separate mount, and cable from other sources.

I want to be able to move it between my Honda and my wife's Mercury Villager, so either a magnetic mount for both, or gutter mount for the Honda and something to attach to the luggage rack on the Villager is called for.

Is the MFJ Dual-bander at \$14.95 any good? Otherwise, what do you recommend as an alternative? I want to keep the antenna length to 3ft or less, and don't want to sink more than \$50-\$75 into the antenna. Suggestions?

Also will put an external mic on. Anyone have experience with either the MFJ mics at about \$25 or the one available at Radio Shack for \$20? How do these measure up to Yaesu mics?

Any guidance is appreciated. I'm new to this; license came in the mail a week ago. Thanks.

Jerry, KE6MFJ  
Jerry\_A\_Kreifels@ccm.fm.intel.com



From owner-qrp-1@netcom.com Mon Sep 26 23:35:51 1994  
Message-Id: <199409262033.PAA13584@harbor.ecn.purdue.edu>  
From: Duane P Mantick <wb9omc@ecn.purdue.edu>  
Subject: Re: Adapting handheld for Auto use.  
Date: Mon, 26 Sep 1994 15:33:06 -0500 (EST)

>  
> Also will put an external mic on. Anyone have experience with either  
> the MFJ mics at about \$25 or the one available at Radio Shack for \$20?

I have been using the Rat Shack mic for a couple years now on my ICOM IC02AT. Can't complain. I don't think the sound quality is top notch, but nobody has ever objected to it or repeatedly asked me to repeat. :-)

I've noticed that the PTT button makes a scrappy-squeaky sound which may or may not go out over the air. If it does, again, it must not be too objectionable for I've not had complaints. My inclination is to see what sort of little mic element is in it and if possible, perhaps replace it with something a hair better, with perhaps a bit wider dynamic frequency response. I had the feeling the Rat Shack mic is a bit "bassy".

The speaker on it is OK, again not the best, but the whole unit was pretty cheap so I'm surprised it works as well as it does and has held up as well as it has. All in all, I'll have to credit Rat Shack for selling a useful accessory at an uncharacteristically non-outrageous price (or at least it wasn't when I got mine....I don't recall what I paid but I think it was under \$20)

>  
> Any guidance is appreciated. I'm new to this; license came in the mail  
> a week ago. Thanks.

Congrats on the new ticket! I've been in 20 years, myself. Welcome to the hobby.

>  
> Jerry, KE6MFJ  
    ^^^

Oh boy, are you ever gonna hear about THAT call. :-)

Duane  
wb9omc

From owner-qrp-1@netcom.com Tue Sep 27 03:23:39 1994  
Date: Wed, 21 Sep 94 22:35:40 GMT  
From: dick@kanga.demon.co.uk (Dick G0BPS)

Message-Id: <4619@kanga.demon.co.uk>  
Subject: ARCI DX MEMBERSHIP

Hi gang,  
For those of you not in the USA I handle the DX membership of the ARCI. New membership costs 7 (sterling) renewals are just 6 (sterling) Checks OK drawn on UK bank. but MUST be made payable to the G-QRP club. Payment may be made in \$\$\$ but will have to be in cash as the banks will not accept checks in \$\$\$\$. The costs are \$14 / \$12.

I also handle the DX membership of the OK QRP Club.  
Cost is just 5 (\$10) as above. Their magazine is 50/50  
Czech / English and readable.

Address is:-  
R.A. Pascoe, G0BPS.  
Seaview House,  
Crete Road East  
Folkestone,  
Kent CT18 7EG. UK.

Dick G0BPS / G0R00      A member of the DRAGON SLAYERS QRP Group  
Kanga Products      (Remember that sometimes the Dragon wins)

[ The opinions expressed here are always that of the management, ]  
[ I am the management!! (especially when she lets me) ]

From owner-qrp-l@netcom.com Mon Sep 26 07:40:33 1994  
Date: Mon, 26 Sep 1994 01:22:08 GMT  
From: g3rjv@gqrp.demon.co.uk (Rev George Dobbs)  
Message-Id: <2659@gqrp.demon.co.uk>  
Subject: Re: Asia-Pacific QRP Convention

THE FIRST ASIA-PACIFIC QRP CONVENTION  
SANTUBONG KUCHING RESORT - KUCHING - SARAWAK  
18th - 18th - 19th November 1994

It is now confirmed that George Dobbs, G3RJV, will be attending this event along with Rick Campbell, KK7B. Both presenting forums.

G3RJV has completed the paperwork that should grant him a 9M8 license and hopes to be running QRP before and during the convention using a QRP PLUS Transceiver. The QRP Calling Frequencies on the highest band that happens to be open at the time will be the place to listen.

So please pass the word around - no definite arrangements as yet about where the QRP station may be located and what antennas are available.

G3RJV expects to be in Kuching from about 14th November to 22nd.

Rev George Dobbs G3RJV G QRP CLUB

From owner-qrp-l@netcom.com Tue Sep 27 04:14:42 1994  
Date: Mon, 26 Sep 94 22:00:20 PDT  
Message-Id: <9409270500.AB06682@altair.csustan.edu>  
From: dh@altair.csustan.edu (Doug Hendricks)  
Subject: Dayton West!! at Pacificon

Guys, make plans now to attend Pacificon and the QRP event of the year (hopefully) on the West Coast. Jeff Jones of this list has secured permission for us to use a meeting room at the ARRL Pacific Division Convention (Pacificon) on Oct. 22, which is a Saturday night. The convention runs Friday, Saturday and Sunday and is held at the Concord Hilton Hotel in Concord, CA. They have a special rate for the convention \$70 and rooms are still available.

Jeff and I have been talking on the phone, and he offered to help me find a room and work out the details with the hotel. We were thinking of renting a room, and having NorCal foot the bill. Then, we came up with the idea of using one of the meeting rooms that the convention has rented for the forums during the day. They aren't used at night, and we came up with a way to put them to good use, a "QRP Hospitality Room" sponsored by NorCal QRP Club.

This is what we have planned. NorCal QRP club will provide the liquid refreshments (beer and soda) and you need to bring your QRP gear for a huge show and tell session at the hotel starting at 7:00PM and running until Midnight. It will be a "QRP Hospitality Suite" a la Dayton, and the best part is that Jeff has found us a room for "free" the best kind of rent to pay!! Wayne Burdick, N6KR, Jim Cates, WA6GER, and I will be there representing NorCal, Bruce Gellately VE7ZM, who helped develop the Epiphyte SSB rig will be there, and others. This is your chance to meet a bunch of Inet QRPers. Plus, have the opportunity to talk to Wayne Burdick about your NorCal 40 and Sierra. Maybe even Chuck "No Show" Adams will show!! It will be fun. Plan on attending and don't forget to bring your gear for us to see.

Don't worry, we will keep with the NorCal Meeting Format and not have a formal meeting. NO BUSINESS MEETING, just FUN, FUN, FUN!!!  
72, Doug, KI6DS

From owner-qrp-l@netcom.com Tue Sep 27 03:18:40 1994  
Message-Id: <199409270018.AA09154@halcyon.com>  
Date: Mon, 26 Sep 1994 17:19:11 -0700  
From: xenolith@halcyon.com (Kevin Purcell)  
Subject: Re: Milliwatting the Norcal 40

>  
>On Thu, 22 Sep 1994, Wayne Burdick wrote:  
>  
>> I think it will go all the way to zero; at some point the drive level gets

```

>> too low to forward-bias the final amp.  Connect a hi-Z voltmeter (such as a
>> DMM) and an RF probe to the antenna jack and measure the RF voltage (Vrms).
>> You can then calculate the power from:
>>
>>      P = Vrms * Vrms / 50
>>
>> assuming you have a 50-ohm dummy load or well-matched antenna.
>>
>> I'd like to know your results.
>>
>> 72,
>> Wayne
>>
>Wayne, et. al.
>
>      I took your advice and wired up an RF probe ala ARRL Handbook
>      (.01 mfd cap, 1n34a diode, 4.7m resistor) and my Radio Shack
>      DMM, a 4-W, 50 Ohm dummy load and ran the tests.

```

Whats the input impedance of your meter?

That makes a difference in selecting the 4.7M ohm resistor (to convert from V pk to V rms). The 4.7 M ohm is for a 10 M ohm input impedance meter.

This resistor forms a voltage divider using the resistance of the DMM. The resistor should have a value of  $0.414 \times Z(\text{DMM})$  to convert V pk to V rms (sqrt(2):1). So for a 10 M ohm input resistance meter then 4.1 M, but 4.7 is close enough.

Took me a while to figure this one out (even though its simple!).

```

>
>      The Handbook suggests such a method will measure Vrms to within
>      about 10%. It might be the vagaries of my peculiar system, but
>      I question the exact precision in my case because a full power
>      measurement on the output of the 2SC799 reads 12.25 Vrms (which
>      calculates to 3W output) ----- not likely with 13.5V to the rig
>      at keydown 200 mils.

```

Before the filter?

If so you are looking at the harmonics (its class C PA after all).

The simple calculation of power using the pk to pk value from a RF probe only works for a sine wave. Harmonics in the input will give a much higher pk to pk voltage and an incorrect apparent power.

Seattle dBug Mac Developers SIG organiser

From owner-qrp-l@netcom.com Tue Sep 27 06:36:58 1994  
Date: Tue, 27 Sep 1994 06:07:45 GMT  
Message-Id: <199409270607.GAA26550@beretta.ramp.com>  
From: aa7tq@ramp.com (Dave Kelley)  
Subject: Multiband QRP kit..Sierra?

I talked to two guys on 40 CW the other day and the subject got onto QRP operations. I heard from both of them about a project under way to bring out a multi-band kit (from the same club that is bringing us those cool little mono-banders) and it's name is Sierra. It's supposed to have a 500 hz CW filter, RIT, XIT, and a hot RX. Sounds like it might be a nice little rig..especially if it's as hot a RX as the HW-9.

I have read all the messages in the news area I could get my eyes on and I haven't seen anything about this radio yet. I understand it might be waiting on delivery of the final transistors to make up the kit...

Anyhow, have I been missing something? Does anyone know more about it? Cost? Bands it'll cover? Availability? (I'm ready NOW!)

Thanks and 73

Dave, AA7TQ

From owner-qrp-l@netcom.com Tue Sep 27 00:43:44 1994  
From: K7YHA@aol.com  
Message-Id: <9409262227.tn192022@aol.com>  
Date: Mon, 26 Sep 94 22:27:45 EDT  
Subject: QRP For Beginning Hams

QRP is NOT for everyone. Some people find it difficult to conduct a QSO at 5 WPM and never seem to get past the Tech (now Tech Plus) license.

HOWEVER, once in a great while, there appears on the scene, someone who is an exception to the rule. Enter Fran, KA3WTF. Fran bought his Argo 515 EIGHT years BEFORE he received his first ham license. He went from no license directly to general in one testing session. He then proceeded to use his Argo 515 to obtain DXCC on 10 meters.....ALL on CW! Fran is an outstanding CW operator and contester. He totally scorns the use of any more than 5 watts of RF output power.

N3DCG, Jim Martin, is the same way. Jim worked many QRP QSOs using his 515 (mainly on SSB) and no one ever told him that QRP was supposed to be

difficult. So what's the big deal.

Both of these outstanding QRPers are atypical examples of hams that just took off and started working QRP with out a thought as to the power disparity between their low power signals and the majority of the other operators on the band using between 100 and 1500 watts.

Why do we make such a big deal out of working the world with only a couple of watts. Anybody who has been in this business more than 12 months can readily see that there is no need to run more than a few watts under most conditions (about 90% of the time).

It does rattle the QRO types, though. I just busted a pile up on P40MX using my NorCal-40 and wire antennas. GOD, what a feeling. Almost (but not quite) better than sex.

As Fran once said: "QRP is the most fun I've had with my clothes on in a long time".

73 / 72 Rich

From owner-qrp-1@netcom.com Mon Sep 26 11:41:51 1994

From: g-taylor4@tamu.edu

Message-Id: <MAILQUEUE-101.940926083544.256@taex003n.tamu.edu>

Date: Mon, 26 Sep 1994 08:35:44 CDT

Subject: Re: QRP for starting ham

> I think some recent comments on the inadvisability of QRP for a  
> beginning ham have overstated the difficulties involved. I'll bet  
> very few of us, in fact, very few hams throughout our history, first  
> went on the air with a 100+ watt rig. I started at about 5-10 watts,

> What I would emphasize to a new ham is (a) the importance of a good  
> receiver, and a good antenna, and (b) the value of building skills

True...in fact I bet due to lack of knowledge re antennas many start out with an ERP thats qrp equivalent. Fortunately, I had an Elmer that helped with the antenna so my 20 watts or was fairly effectively employed but I know (now) many of my counterparts with 50-100w had incredibly ineffective antenna systems and still carried on.

Greg, KD4HZ

From owner-qrp-1@netcom.com Mon Sep 26 11:45:06 1994  
From: JSPEER@sfasu.edu  
Date: Mon, 26 Sep 1994 08:11:16 -0600 (CST)  
Subject: Re: QRP for starting ham  
Message-Id: <01HHK7VCQ844002MN7@TITAN.SFASU.EDU>

>I think some recent comments on the inadvisability of QRP for a  
>beginning ham have overstated the difficulties involved. I'll bet  
>very few of us, in fact, very few hams throughout our history, first  
>went on the air with a 100+ watt rig. I started at about 5-10 watts,  
>because that's what I could afford to build. Unless things have changed  
>drastically in twenty years (always a possibility, I suppose!) a new  
>ham is probably delighted to just collect states for a while, which is  
>easy enough with almost any rig. I just don't remember that  
>frustration that others speak of, probably because I didn't expect  
>\*anyone\* would hear me!

...  
>Mike, KK6GM

Yeah, but different from when I first started on HF, anyway, today's new HF users probably have a good bit of VHF experience, and I'll just bet the comparative difficulty of establishing qrp contact would frustrate a lot of them right out of that part of the hobby.

Unlike me, who was amazed and amused the other day to check into the maritime mobile net on 20m with the new index labs rig running 10w pep into a 30m sloper :-)!  
--

If RST > 519  
Then cut\_power;

Jim Speer, K5YUT  
f\_speerjr@titan.sfasu.edu

From owner-qrp-1@netcom.com Mon Sep 26 21:56:59 1994  
From: NYOUNG@DESIRE.WRIGHT.EDU  
Date: Mon, 26 Sep 1994 19:35:17 -0400 (EDT)  
Subject: Re: QRP for starting ham  
Message-Id: <01HHKV7JD4UQ8WY6K2@desire.wright.edu>

A few folks have mentioned that QRP is just about what most novices start out with. I didn't, at least not in the nominal sense of QRP. I had a DX60B with a vertical on the roof of the barracks. But I did also have a TenTec PM2 that worked well enough on 40.

What's really important is getting on the air. I know from experience that a DX60B with the drive turned all the way down (I wasn't paying attention) will catch a QSO or two. Far more

difficult for me to catch was the whole process of QSOing. I started out with marginal code skills, something that held me back at least a month. When I finally got my CW up to a reasonable pace (about 10wpm), the QSOs came easy, with or without the drive pot turned up.

And then there's the history of the whole show. If memory serves, back in 1969 there were boards and designs shown in the ARRL handbook that eventually ended up as the design for the first PM series from TenTec. If the ARRL was putting novices on the air in 1969 with DC receivers and 2 watt transmitters, I see no reason to say that it won't work now.

Personally, I think QRP is an excellent starting point for new hams who want to get on the air and learn right up front that it isn't like picking up the phone. It brings out the best in folks who enjoy a challenge. And, to be frank, it teaches the newcomer real quick that this is a hobby. If it doesn't work because of conditions or antennas or whatever, get out a book and read. Amateur radio is a hobby, after all. It's not a religion.

73

Nils

WB8IJN

From owner-qrp-1@netcom.com Tue Sep 27 02:56:52 1994

Date: Mon, 26 Sep 1994 12:28:48 -0400 (EDT)

From: wynn c c <wyn@stc06.CTD.ORNL.GOV>

Subject: RE: QRP for starting ham

Message-Id: <Pine.3.89.9409261249.A19851-01000000@stc06.CTD.ORNL.GOV>

Subject: Re: QRP for starting ham

On Sat, 24 Sep 1994 15:50:19 mjsilva@ted.win.net (Michael Silva) wrote:

>What I would emphasize to a new ham is (a) the importance of a good  
>receiver, and a good antenna, and (b) the value of building skills  
>and confidence with "easy" contacts before going after the tough  
>ones. For the rest of us, I hope we all make sure to spend some time  
>on the Novice bands to help the new folks along.

Ditto, on spending time on the Novice bands. I try to spend a couple of hours per week on the 40 meter novice band to recognize and encourage novice operators. Usually run around 10-12 WPM but will slow down if asked. Typically, your efforts in support and encouragement will be greatly appreciated. Do expect to receive some requests for QSL cards



as some of these folks have set a goal for WAS. Five watt QSO's with stations there are possible but not frequent, mainly due to recent increases in QRM(N) levels. The favorite QSO's are with first time op's. I'm almost as excited as they are to make sure that their first impression is a good one.

One of side benefits is that sometimes you are visited there by an old-timer whose pace may be slow due to arthritis or whose aim is the same as yours, but who is otherwise sharp as a tack. Two fellows come to mind who were recently worked. One is a relatively new ham, lives alone, and will be 92 this December. The other is 84, still remembers his spark station call, had a long career in radio development, and provides some interesting fills in the history of radio in the U.S. that the history books and TV specials left out.

I think HF CW is the only mode they work. Could it be that CW is additionally good for longevity as well as its other well known benefits? ;-)

72/73,  
C. C. (Clay) Wynn, N4AOX  
wyn@ornl.gov

From owner-qrp-l@netcom.com Mon Sep 26 20:59:00 1994  
Message-Id: <m0qp0JU-0000FnC@juts.ccc.amdahl.com>  
Date: Monday, 26 September 1994 15:03 PT  
From: bruce.florip@amail.amdahl.com  
Subject: QRP SSB/CW XCVR Not for sale :)

Hi Ed (and the qrp group)

The Ft-7 came Friday afternoon, and was waiting behind the bush by my front door (as usual for UPS).

A few weeks back Ed and I worked out the details, and I bought his Yaesu FT-7 from him. Thought the group might enjoy the first impressions.

I've really enjoyed the rig so far. As Ed advertised, it's very cosmetically clean, and works well. So far the receiver seems sensitive, although not adjustable, the if bandpass seems a good compromise of selectivity and ease of listening. Here are the results of some casual playing on the W/E:

| Date | Freq   | mode | power | utc   | Station   | sent   | recd     | Comments              |
|------|--------|------|-------|-------|-----------|--------|----------|-----------------------|
| 9/24 | 7.205  | a3j  | 15w   | 9:15  | lc1 W7CSD | 58     | 55       | Bob NorthBend Or.sked |
| 9/24 | 14.225 | a3j  | 15w   | 22:00 | OH6NIO    | 59/001 | 59/718   | Finland (contester)   |
| 9/24 | 14.276 | a3j  | 15w   | 22:56 | WH6XV     | 58     | 53       | Charlie in Hawaii     |
| 9/25 | 14.264 | a3j  | 15w   | 00:56 | JA1MZM    | 55     | 53       | Sakai Osaka Japan     |
| 9/25 | 14.140 | a3j  | 15w   | 20:40 | VE6JWA    | 55     | 58 my cq | Jim Edmonton BC       |

9/26 21.245 a3j 15w 01:18 JL7EDP 55 57 my cq Yukio Fukushima Japan  
9/26 21.330 a3j 15w 01:35 AH6HB 56 55-59 my cq name=ham in Hilo Hi.  
9/26 7.029 a1 10w 06:04 ke6jjr 599 599 Mark in San Jose Ca.

Thanks Ed!

I guess the only wishes may be some adjustable selectivity, and a drive control. I'll be turning down the internal power adjustment sometime this week. I know the 15w is gro!

73,  
Bruce

P.S. Where is everybody!

From owner-qrp-l@netcom.com Tue Sep 27 06:36:14 1994  
Date: Tue, 27 Sep 1994 09:11:33 +0200 (SAT)  
From: Wouter de Waal <wrm@aztec.co.za>  
Subject: R1/R2/T2  
Message-Id: <Pine.3.89.9409270905.A8040-01000000@aztec.co.za>

Hello everybody

I'm interested in the R1/R2/T2 design. I have all the QST articles, except that the R2 circuit diagram pages are missing (p34 & 35, Jan 1993). Is it possible for some kind soul to send me a copy of these two pages? I would also like the PCB artwork and component overlays for these boards. They are available from the ARRL, but it's tricky sending an SASE from ZS land. So if someone has the artwork etc, pleeeze let me have it.

Thanks in advance

Wouter de Waal ZS1KE Argo 505/Straight Key/Wire Antennas/Masochist ...  
P.O. Box 995  
Bellville  
7535  
South Africa

From owner-qrp-l@netcom.com Mon Sep 26 12:59:32 1994  
Date: Mon, 26 Sep 94 09:14:58 CST  
From: Lashley.H.Mann.II@cdc.com  
Message-Id: <9408267805.AA780596098@ccmail.cdc.com>  
Subject: Re[2]: Adapting handheld for Auto use.

In general I'd agree with the comments on MFJ...but...in their defense, I've

used a TNC produced by MFJ for the past 8-9 years with no problem...but then it has just set on the shelf, hasn't been moved, hasn't been connected/disconnected, turned off (except for power outages), etc. Then again, the design wasn't MFJ's but TAPRs (I suspect there might be a comment there! ;^ )

Lee

----- Reply Separator -----

Subject: Re: Adapting handheld for Auto use.  
Author: djw@unlinfo.unl.edu (daniel wright) at Internet  
Date: 9/24/94 14:14

Received: by ccmil from zeus109.cdc.com  
>From owner-ham-tech@netcom.com  
X-Envelope-From: owner-ham-tech@netcom.com  
Received: from mail.netcom.com by zeus.cdc.com; Sat, 24 Sep 94 14:14:46 -0500  
Received: by mail.netcom.com (8.6.9/Netcom)  
id JAA23742; Sat, 24 Sep 1994 09:01:21 -0700  
Received: from unlinfo.unl.edu by mail.netcom.com (8.6.9/Netcom)  
id JAA23729; Sat, 24 Sep 1994 09:01:16 -0700  
Received: from unlinfo2.unl.edu by unlinfo.unl.edu (4.1/SMI-4.1)  
id AA22077; Sat, 24 Sep 94 11:03:09 CDT  
>From: djw@unlinfo.unl.edu (daniel wright)  
Message-Id: <9409241603.AA22077@unlinfo.unl.edu>  
Subject: Re: Adapting handheld for Auto use.  
To: fgilmore@ozarks.sgcl.lib.mo.us (C. Frank Gilmore)  
Date: Sat, 24 Sep 1994 11:03:03 -0500 (CDT)  
Cc: ham-tech@netcom.com  
In-Reply-To: <Pine.3.89.9409240549.A10279-01000000@ozarks> from "C. Frank Gilmore"  
at Sep 24, 94 05:36:37 am  
X-Mailer: ELM [version 2.4 PL20]  
Content-Type: text  
Content-Length: 547  
Sender: owner-ham-tech@netcom.com  
Precedence: list

Jerry and All.....

I have to agree that MFJ stuff is in general poorly built(read cheap!). I have had bad experiences with most everything MFJ that I have purchased.I guess that the 'ol saw "you get what you pay for" is true. In that vein,I can second the comments on Larsen antennas. I have found them rugged and well built....good performers,and worth the price!I use a 5/8 wave with trunk-lip mount for two meters,the same antenna that can be mag mounted. Works great!!

73 de Dan --WA0JRD.....

From owner-qrp-1@netcom.com Tue Sep 27 00:39:43 1994  
Date: Mon, 26 Sep 94 21:04:55 CST  
From: Lashley.H.Mann.II@cdc.com  
Message-Id: <9408267806.AA780638695@ccmail.cdc.com>  
Subject: Re[2]: Adapting handheld for Auto use.

Re the request for info on the MFJ mics. I've had two of them (MFJ speaker mics) for several years for use at hamfest and emergency comms. They work just fine for this purpose. If you are planning on using them in an automobile you'll probably find that the speaker in most any "speaker-mic" will not be sufficient. The main reason I find them not sufficient is that the speaker in the mic is just too small to move enough air to overcome the ambient noise in a car or truck. I'd suggest that a separate speaker be used, the Radio Shack extension speaker works fine for me. Having to turn an HT to max volume to hear usually introduces sufficient distortion to be irritating.

BTW, a mic for most HTs can be easily built using Radio Shacks electret condenser element and an old mic case that the PTT switch still works. For Icom HTs just put the mic element in series with the PTT switch. When I used an HT in my car I used one of these for several years. If and when you build such a mic stuffing material for pillows makes a good filler for the case to hold the mic element in place. One other point, get the longest mic cord you can get. The less stress you put on the mini plug that plugs into the HT the better (you'll spend less time fixing the connections).

Lee

From owner-qrp-1@netcom.com Mon Sep 26 21:18:45 1994  
From: penc@psuh02meteo.psu.edu  
Date: Mon, 26 Sep 1994 20:16:33 GMT  
Message-Id: <94092620163322@psuh02meteo.psu.edu>  
Subject: Sniff, sniff....

Gang:

With all this talk about the Epiphyte out there....  
Did anyone else not receive their QRPP yet, or am I the only one????  
It'll be October soon and no QRPP in sight yet!

Rich Penc, WK2A  
penc@psumeteo.psu.edu

From owner-qrp-1@netcom.com Tue Sep 27 04:00:12 1994  
Message-Id: <m0qpLdj-0001rZC@persoft.persoft.com>  
Date: Mon, 26 Sep 1994 14:25:33 -0500  
From: jason@persoft.com (Jason F. Penn)  
Subject: Sugar Pop Morse Code

Greetings. I was browsing the cereal box assortment on top of the refridgerator the other day and noticed a "Morse Code" chart on the side panel of a box of Sugar Pops. The table is intended for use with some sort of flashlight freebie. However, the table is *\*wrong\**. I don't recall exactly which characters were wrong, many were correct. I think comma was given as *-..* for example. The folks who made the table could be out of their minds, but I was wondering if maybe they printed the table for the fabled landline telegraphy of old?

Does anybody know? Does anybody care?

Ob. QRP:

I bought (another) HW-8 this weekend at the Chicago FM Club's Hamfest in Grayslake, IL. This one looks mint, perfect manuals, matching power supply, Hi-Z phones, and an MFJ audio filter. I've yet to fire it up.

What is it with QRPers often having an obsessive number of rigs? :-)

P.S. A dealer had an Index Labs rig on display (forsale?). Slick looking rig.

--

Jason F. Penn N9RPT | Persoft, Inc. | jason@persoft.com  
Whenever I want to find something, it's always in the last place I look.

From owner-qrp-1@netcom.com Mon Sep 26 20:50:22 1994  
Message-Id: <199409262234.PAA16392@netcom.netcom.com>  
Date: Mon, 26 Sep 94 13:05:24 EDT  
From: C=BAILEY%IS%211EIS@PAMDT.ANG.AF.MIL  
Subject: USING SW RCVR FER QRP REC

Jeff, NH6IL confesses to owning a DX-400. I was shocked to find that Mike, W3TS uses a Sony 2010! He uses it on the road. Along with his homebrew transmitters. Mike said that they make good receivers for tracking down RFI in your neighborhood. If I get the chance (or dollars), I would buy one too.

72 de Cameron, KT3A

From owner-qrp-1@netcom.com Tue Sep 27 00:46:47 1994  
Date: Mon, 26 Sep 94 16:29:16 HST  
From: jeffrey@math.hawaii.edu (Jeffrey Herman)  
Message-Id: <9409270229.AA22807@kahuna.math.hawaii.edu>  
Subject: Re: USING SW RCVR FER QRP REC

Not only do I confess to using a DX-400 SW rcvr as my ham here in Hawaii but back at my parents' home (on your side of the Pacific) I use a DX-60 rcvr (not to be confused with the DX-60 xmtr by Heath) - needless to say I only use xtal xmtrs with that rcvr! (tuning is horribly inaccurate).

73 from Hawaii,  
Jeff NH6IL